SIREN

User's Guide

Flash MP3 Player

Siren 1GB

Unpacking

- Siren Flash MP3 Player
- Premium Earbuds
- Carrying Case
- Armband
- AAA Battery
- USB Cable
- Installation CD
- Quick Start Guide
- Customer Service Card
- Bonus Track List

Copyright/Trademarks
© 2006 Siren, Inc.. All rights reserved. Marketed by Siren, Inc., San Jose, CA 95118.

Siren shall not be liable for any errors contained herein or for any damages arising out of or related to this document of the information contained herein, even if Siren has been advised of the possibility of such damages. This document is intended for informational and instructional purposes only. Siren reserves the right to make changes in the specifications and other information contained in this document without prior notification. Siren disclaims any obligation to update the information contained herein. Siren is a registered trademark of Siren, Inc.

MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson Multimedia.

This product is protected by certain intellectual property rights of Microsoft Corporation. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary. Microsoft, Windows Media, and the Windows Logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

All other product names may be trademarks of the companies with which they are associated.

Table of Contents

1 - Getting Started

Welcome 4
Player Overview 5
LCD Overview 7
Inserting the Battery 8
Connecting the Earbuds 8
Installing the Software 9

2 - Loading Your Tunes

Connecting the Player to your Computer 10
Using Windows Media Player 11
- Adding Tracks to your Media Library 13
- Ripping Tracks from your CDs 15
- Transferring Tracks to the Player 16

Using Other Music Management Applications 17
Using the Player as a Removable Drive 18
Safely Disconnecting the Player 19

3 - Using the Player

Basic Operations 20
- Powering On the Player 20
- Basic Playback 20
- Adjusting the Volume 20
- Locking the Keys 20
- About Menu Navigation 20

Main Menu Overview 21
Playing Albums, Artists & Genres 22
Using the FM Tuner 23
- Switching to FM Tuner Mode 24
- Searching for FM Stations 24
- Saving Presets 24
- Selecting Presets 24

FM Radio Recording & Playback 25
- Recording FM Broadcasts 25
- Playing Your FM Radio Recordings 25

Voice Recording & Playback 26
- Recording Your Voice 26
- Playing Your Voice Recordings 26

Adjusting Equalizer Settings 27
- Setting the 5-Band Equalizer 27
- Selecting a Preset EQ Setting 27

4 - Customizing Your Player

Inside the Settings Menu 28
- Shuffle/Repeat Options 28
- Power Saving Options 28
- Contrast Options 29
- Resume Playback Options 29

Player/Storage Information 29
- About Firmware Upgrades 29

5 - Need Help?

Troubleshooting 30
Technical Specifications 34
Siren Limited Warranty 36
Important Safety Instructions 38
Product Care 39
FCC Compliance 40

1 - Getting Started

Welcome

Congratulations on your purchase of this Siren digital audio player.
This sleek, elegant unit fits in the palm of your hand and plays all your favorite MP3 and WMA files. It even doubles as a recordable FM tuner and voice recorder.

Cool Features

- MP3 and WMA playback
- PC & Mac support
- Sleek, small and elegant
- 128x64 Mono Backlit LCD
- 1GB
- SD/MMC Expansion slot
- FM Tuner / FM Recording / Voice Recording
- 5 Band Adjustable EQ with Presets
- up to 16 hours of battery life
- Premium Earbuds
- USB 2.0 Compatible

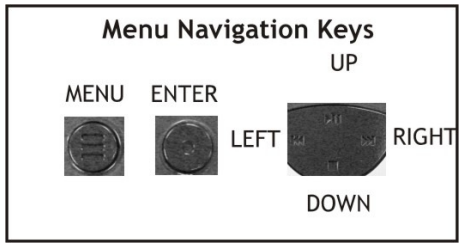
Player Overview

1 **Stereo Headphone Jack** - Connects to the supplied earbuds or other headphones equipped with a 1/8" (3.5mm) stereo mini-plug.

2 **LCD Screen** - Displays the current status of the player; see page 7.

3 Control Pad - Controls playback and selects menu options:

- PLAY/PAUSE - Starts and pauses playback.
- STOP - Stops playback.
- PREV - Skips to the previous track (or to the start of the current track). Press and hold to scan backward.
- NEXT - Skips to the next track. Press and hold to scan forward.



4 Battery Cover - Remove to install a single AAA battery (alkaline or NiMH).
5 POWER ⏻ Button - Turns the player on. Press and hold to turn the player off.
6 HOLD Switch - Locks the controls to prevent accidental operation.
7 VOLUME +/- Buttons - Adjust the volume.
8 MENU ≡ Button -Displays the player's main menu.
9 ENTER - Makes selections in the menu system.
10 Mini-USB Port- Connects the player to your computer using the supplied USB cable.

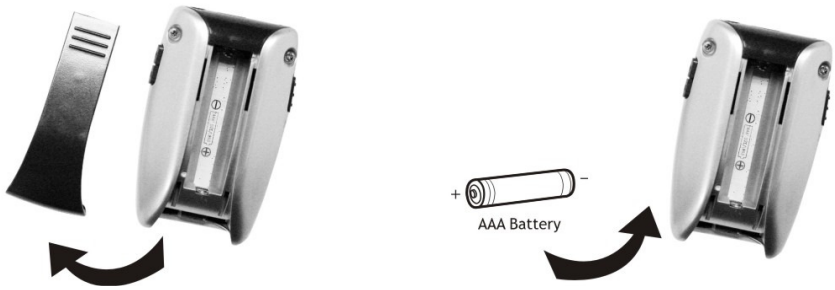
LCD Overview

Indicators:
1 EQ Setting - Displays current EQ mode (Normal, Rock, etc.)
2 Shuffle - Displays current Shuffle mode (On or Off).
3 Repeat - Displays current Repeat mode (Repeat One, Repeat All, or Off).
4 Hold - Displays current Hold status (On or Off).
5 Battery Level - Displays current Battery status (Full, Medium or Low).
6 Track Info - Displays current Title, Artist, and Album.
7 Progress Bar - Graphically displays elapsed playback time.
8 Track Status - Displays:

- Elapsed Time
- Playback Status Icon (Play, Pause, Stop, etc.)
- Volume Level
- Current Track Number/Total Number of Tracks

Inserting the Battery

1 Remove the battery cover as shown
2 Insert the supplied AAA battery, paying attention to the correct polarities (+ and -).
3 Replace the cover.



Connecting the Earbuds

- Connect the supplied earbuds as shown.

Installing the Software

If you are running Windows 98SE please first install the required drivers found on the enclosed CD before your connect your Siren player.Turn on your computer and insert the CD in the CD-ROM drive.

No driver installation is required for Windows ME/2000/XP or Mac OS X.

Check out the on line User's Guide on the CD.

System Requirements

- Intel Pentium® II 300 MHz or above
- 128 MB RAM minimum
- 150 MB available hard drive space
- USB port
- CD-ROM drive
- Operating Systems
- Supported: Windows 98SE/ME/2000/XP/Mac OS X

Please note: This player does not support the playback of playlists. You will be able to transfer playlist songs to your player and play them like any other song on your player, but referencing the songs by specific playlist name is not supported.

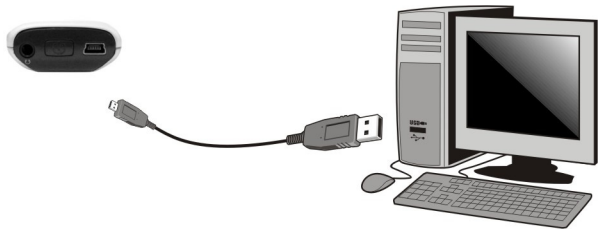
2 - Loading Your Tunes

Connecting the Player to your Computer

In order to download tracks to the player, you must first connect the player to your PC or Mac using the supplied USB cable.

1 Connect the smaller end of the supplied USB cable to the mini-USB port on the player as shown.
2 Connect the larger end of this cable to any available USB port on your computer.
- The player will power on automatically.
- If this is the first time you have connected the player to a PC running Windows ME, 2000, or XP, your PC will detect "New hardware" and install the required drivers automatically.

3 The USB icon appears on the player's LCD screen.
4 You're now ready to load your tunes...



Notice For Windows 98SE Users

- If you connect the player to a PC running Windows 98SE, you must first install the Windows 98SE driver; see page 9.

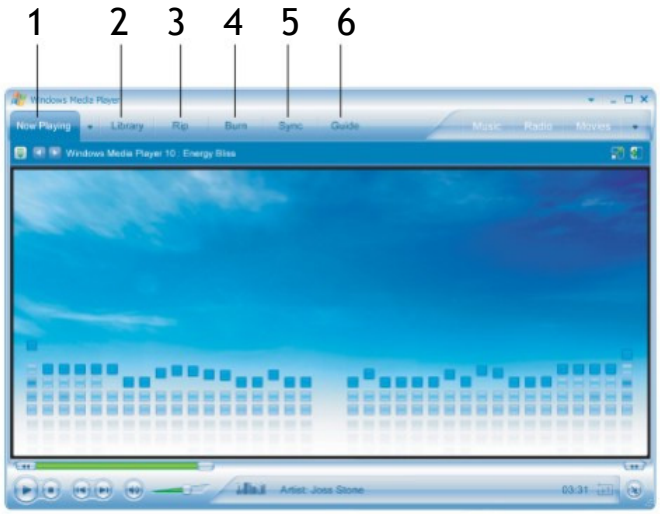
Using Windows Media Player

You can use Windows Media Player 9.0 and 10 to manage your music files, copy tracks from your audio CDs, transfer tracks to the player, and more. The following is an overview of the options on the Windows Media Player taskbar:

Windows Media Player 9:

1 **Now Playing** - Watch/listen to currently playing media.
2 **Media Guide** - Search for media (music, movies, etc.) online.
3 **Copy from CD** - Burn CD Audio tracks to WMA format.
4 **Media Library** - Create playlists and manage your media files.
5 **Radio Tuner** - Tune into streaming radio stations.
6 **Copy to CD or Device** - Copy tracks to your player or to a recordable CD.
7 **Premium Services** - Subscribe to an online music service, where you can browse and purchase tracks for your player.
8 **Skin Chooser** - Choose a look and feel for your Windows Media Player.

Windows Media Player 10:



1 **Now Playing** - Watch/listen to currently playing media.
2 **Library** - Create playlists and manage your media files.
3 **Rip** - Copy CD Audio tracks to WMA format.
4 **Burn** - Copy MP3/WMA tracks to a recordable CD.
5 **Sync -** Copy MP3 or WMA tracks to your player.
6 **Guide** - Search for media (music, movies, etc.) online.

Adding Tracks to your Media Library

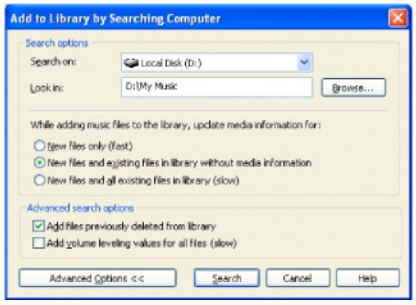
Windows Media Player will automatically gather all MP3 and/or WMA files on your PC into a media library, where they can be played, edited, burned to CD, or copied to your digital audio player.

Windows Media Player 9:

Add To Media Library By Searching Computer
Search options
Search on:
Look in:
Browse...
While adding new files to Media Library, update media information for:
New files only (Fast)
New files and existing files in library without media information
New files and all existing files in library (slow)
Advanced Options >>
Search
Cancel
Help

1 Click Tools > Search for Media Files (or press F3).
2 In the "Add to Media Library by Searching Computer" dialog box, browse to the drive and folder where your music files are stored.
3 Click Search.
4 Windows Media Player will automatically add all tracks in the selected folder(s) to your media library.
5 When searching is complete, click Close.

Windows Media Player 10:


Add to Library by Searching Computer
Search options
Search on:
Local Disk (D:)
Look in:
D:\My Music
Browse...
While adding music files to the library, update media information for:
New files only (fast)
New files and existing files in library without media information
New files and all existing files in library (slow)
Advanced search options
Add files previously deleted from library
Add volume leveling values for all files (slow)
Advanced Options <<
Search
Cancel
Help

1 Click Tools > Search for Media Files (or press F3).
2 In the“Look in”: dialog box, browse to the drive and folder where your music files are stored.
3 Click Search.
4 Windows Media Player will automatically add all tracks in the selected folder(s) to your library.
5 When searching is complete, click Close.

Ripping Tracks from your CDs

You can also use Windows Media Player to build your music library by encoding your Audio CD's to music files.

Windows Media Player 9:

1 Insert an Audio CD.
2 Click Copy from CD.
The contents of the CD will be displayed.
By default, all tracks are checked.
3 Uncheck any track you do not want to encode into a music file.
4 Click the Copy Music button to begin encoding the selected tracks.
NOTE: You can change your track encoding options by selecting Tools > Options > Copy Music.
5 When finished, Windows Media Player will automatically add the new tracks to your media library.

Windows Media Player 10:

1 Insert an Audio CD.
2 Click Rip.
The contents of the CD will be displayed.
By default, all tracks are checked.
3 Uncheck any track you do not want to encode into a music file.
4 Click the Rip Music button to begin encoding the selected tracks.
NOTE: You can change your track encoding options by selecting Tools > Options > Rip Music.
5 When finished, Windows Media Player will automatically add the new tracks to your library.

Transferring Tracks to the Player

To copy files from your PC to the player:

Windows Media Player 9:

1 Make sure the player is powered on and connected to your PC using the supplied USB cable.
2 Click Copy to CD or Device.
3 Under "Items on Device" select "Removable Disk" to view the contents of the player.
4 Under "Items to Copy", browse to the folder containing the tracks you want to add to the player.
5 Click the check box(es) next to the desired track name(s).
6 Click Copy.
7 The selected track(s) are copied to the player.
When you're finished copying files, see page 19 to safely unplug the player.

Windows Media Player 10:

1 Make sure the player is powered on and connected to your PC using the supplied USB cable.
2 Click Sync.
3 Click Edit Playlist to add tracks to transfer to your player. Click OK once all desired tracks have been added.
4 You should now see the tracks you wish to transfer to your player listed and checked on the left side of the Windows Media Player screen under " Sync List ". If you wish to not transfer any of the listed tracks, uncheck them.
6 Click Start Sync.
7 The selected track(s) are copied to the player.
When you're finished copying files, see page 19 to safely unplug the player.

Using Other Music Management Applications

- NOTE: Many online music stores offer their own music management applications, which may or may not be compatible with the player. The player supports playback of MP3, WMA, and WMA DRM files. WMA DRM music files must be copied to the player via Windows Media Player or the music management software compatible with your online music store.

The player is NOT compatible with iTunes.

Using the Player as a Removable Drive

If you prefer, you can simply drag and drop files to the player, which appears as a removable hard drive on your PC or Mac. Using this method, any type of file (homework, presentations, pictures, etc.) can be placed on the player as if it were a portable drive. Only MP3 and WMA files will playback while stored on the player, however.

NOTE: The player will not play DRM-protected files (such as those purchased from online music stores) unless they are copied to the player via Windows Media player or the music management software compatible with your online music store.

1 Make sure the player is powered on and connected to your computer using the supplied USB cable.

2 Double-click the “My Computer” icon on your Windows desktop.(Note: Windows XP users may need to click the Start button and select “My Computer” from the menu).The player appears as a “Removable Disk” icon with its own drive letter. If a memory card has been installed, this additional card will show up as an additional drive.On a Mac, the player appears as a drive on the desktop.

3 Double-click the disk icon to view its contents.

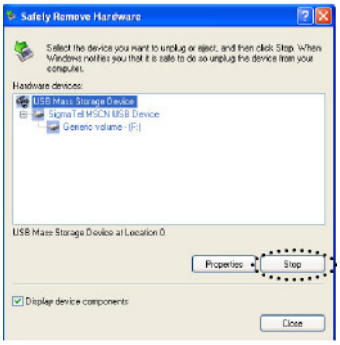
4 Drag and drop your music files from your computer to the player. You can also copy and paste files to the player using any standard Windows method.

5 When you’ve finished copying files, see page **19** to safely unplug the player.

Safely Disconnecting the Player

If you are using Windows ME/2000/XP, it is recommended that you safely unplug the player as follows:

1 Double-click the “Safely Remove Hardware” icon in the Windows toolbar.
2 Select the player from the list of Hardware Devices.
3 Click Stop.
4 Click OK to confirm.
5 Click Close.
6 It is now safe to unplug the player from your PC.


Safely Remove Hardware
Select the device you want to unplug or eject, and then click Stop. When Windows notifies you that it is safe to do so unplug the device from your computer.
Hardware devices:
USB Mass Storage Device
SigmaTel MSCN USB Device
Generic volume - (F:)
USB Mass Storage Device at Location 0
Properties
Stop
Display device components
Close

- NOTE: Make sure all file transfers are complete before disconnecting the player.

3 – Using The Player

Basic Operations

Powering On the Player

- To turn on the player, press POWER button ⏻ .
- To turn off the player, press and hold POWER button ⏻ .

Basic Playback

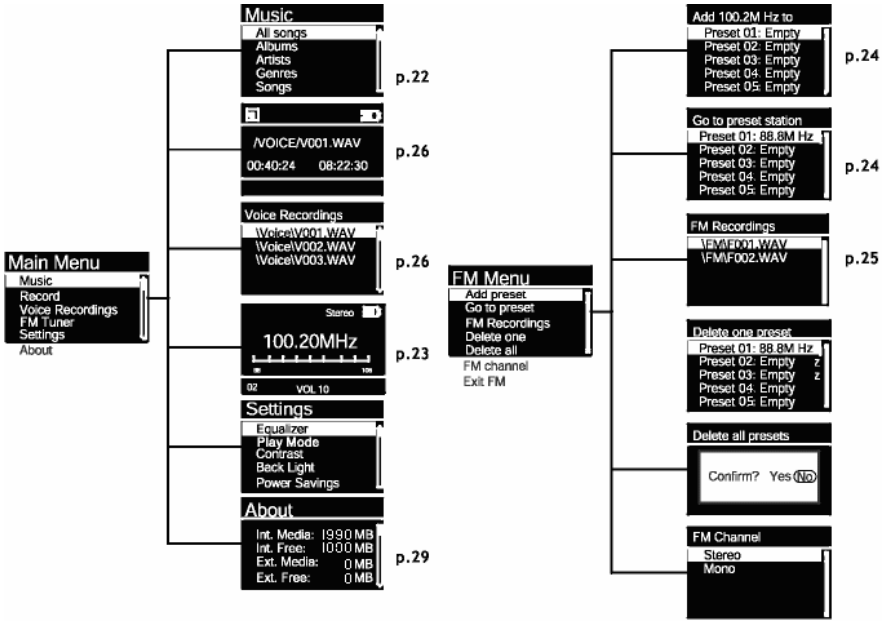
- To play the current track, press PLAY/PAUSE ⏯ .
- To pause playback, press PLAY/PAUSE ⏯ again.
- To stop playback, press STOP⏹ .
- To skip to the previous track (or to the start of the current track), press PREV ⏮.
- To skip to the next track, press NEXT ⏭ .
- To scan backward within a track, press and hold PREV ⏮ .
- To scan forward within a track, press and hold NEXT ⏭ .

Adjusting the Volume

- To adjust the volume, press VOLUME+/-.

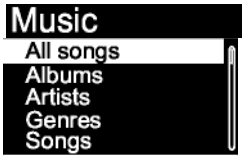
Main Menu Overview

Press **MENU** ☰ to open the Main Menu and access these special features:



Playing Albums, Artists & Genres

The Play Music menu includes a variety of ways to browse and play your music.



1 Press MENU ☰
2 Select Music and press ENTER.
3 Select from the following options:

All Songs
- Plays all music on the player in alphabetical order.

Albums
- Lists all albums on the player.
- Select an album and press ENTER.
- Select All songs to play the entire album, or select a song and press ENTER to play only that song.

Artists
- Lists all artists on the player.
- Select an artist and press ENTER.
- Select All songs to play all songs by that artist, or select an album and press ENTER to view the contents of that album.

Genres
- Lists all genres on the player.
- Select a genre and press ENTER.
- Select Play All to play all songs in that genre, or select a song and press ENTER to play only that song.

Songs
- Lists all songs on the player.
- Select All songs to play all songs, or select a song and press ENTER to play only that song.

Using the FM Tuner

Switching to FM Tuner Mode
1 Press **MENU** ☰ .
2 Select **FM** Tuner and press ENTER.
3 **The FM Tuner LCD is displayed:**

Indicators:

1 FM Frequency Slider - Graphically displays FM radio band.
2 Current Frequency - Displays current radio station frequency.
3 Volume Level - Displays current volume level.

Using the FM Tuner (continued)

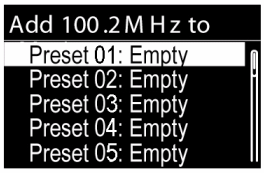
While you are in FM Tuner mode, you can search for stations, save Presets and select Presets.

Please note, when a new battery is inserted and the player is placed in FM Tuner mode, the player will scan all stations and compile a list of currently available stations. These stations will be stored in the FM Tuner Presets.

Searching for FM Stations

- To manually search for stations (in 0.1 step increments),press ⏮ or ⏭ .
- To automatically scan stations, press ⏮ and hold or ⏭ .

Saving Presets



- In FM Tuner mode press MENU ☰ .
- Select Add Preset and press ENTER.
- The Next available preset will appear. Press Enter to save the station to this preset, or navigate to preset you would like to save the station to.
- Select “yes” to add Preset and “no” to cancel.
- You can store up to 20 Presets in this manner.

Go To Presets

- In FM Tuner mode press MENU ☰ .
- Select Go To Preset and press ENTER.
- To browse Presets, press ⏯ or ■ to go up or down.
- Press ENTER to select the preferred Preset.

Deleting Presets

- In FM Tuner mode press MENU ☰ .
- Select Delete One to delete a single Preset. To browse Presets, press ⏯ or ■ to go up or down. Press ENTER to select the preferred Preset. Select “yes” to delete the preset or “no” to cancel, press ENTER.
- Select Delete All to delete all Presets.
- Press ENTER.
- Select “yes” to delete all Presets and “no” to cancel, press ENTER.

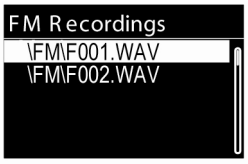
FM Radio Recording & Playback

Enter FM Tuner mode

Not only can you listen to the radio, you can record your favorite broadcasts and listen to them later.

1 press MENU ☰ and select FM Tuner.
2 Use the ⏮ / ⏭ buttons select the desired radio station.
3 Press POWER/PLAY/PAUSE ⏯ to start recording.
4 Press POWER/PLAY/PAUSE ⏯ to pause recording ,press POWER/PLAY/PAUSE ⏯ again to resume.
5 Press POWER OFF/STOP ■ to stop recording.
6 A WAV file is created with the name “F00# .wav” and added to your list of recordings.

Please note, the file name will change in numerical increments as you record additional broadcasts.



Playing Your FM Radio Recordings

To playback your FM recordings:

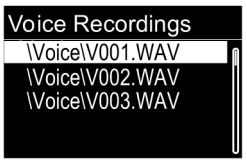
1 In FM Tuner mode press MENU ☰ .
2 Select FM Recordings and press ENTER.
3 Select the desired recording from the list of WAV files and press ENTER.
4 The selected FM recording will begin to play.

Voice Recording & Playback

Recording Your Voice

Record your next lecture, or just **record** your friends with the built-in voice recorder.

1 Press MENU ☰.
2 Select Record and press ENTER.
3 Press POWER/PLAY/PAUSE ⏯ to start recording.
4 Press POWER/PLAY/PAUSE ⏯ to pause recording, press again to resume.
5 Press POWER OFF/STOP ■ to stop recording.
6 A WAV file is created with the name "V00# .wav" and added to your list of recordings.



Playing Your Voice Recordings

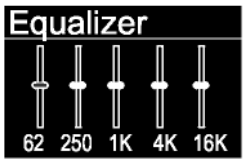
To playback your voice recordings:

1 Press MENU ☰.
2 Select Voice Recordings and press ENTER.
3 Select the desired recording from the list of WAV files and press ENTER.
4 The selected voice recording will begin to play.

Adjusting Equalizer Settings

Setting the 5-Band Equalizer
You can manually adjust the 5-Band Equalizer to personalize your listening experience.

1 Press MENU ☰ .
2 Select Settings.
3 Select Equalizer.
4 Select 5-Band EQ.
5 Set each of the five frequency sliders to the desired levels. Each band can be adjusted from -15 to +15. To adjust the level press POWERPLAY/PAUSE ▶II to move up and press POWER OFF/STOP■ to move down. Press ⏮/ ⏭ to move between the five bands.
6 Press Enter to save the settings.



Selecting a Preset EQ Setting
You can also choose a preset EQ level for five music genres.

1 Press MENU☰ .
2 Select Settings.
3 Select Equalizer.
4 Choose from the following preset EQ levels:
- Normal
- XBass
- Rock
- Jazz
- Classical
- Pop

5 To apply desired setting, press ENTER.

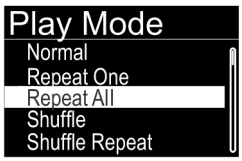
4 - Customizing Your Player

Inside the Settings Menu

Shuffle/Repeat Options

1 Press MENU ☰ .
2 Select Settings and press ENTER.
3 Select Play Mode and press ENTER.
4 Select from the following options:
- Normal no repeat, no shuffle
- Repeat One repeats the selected song
- Repeat All repeats all songs selected
- Shuffle shuffles all songs selected
- Shuffle Repeat shuffles and repeats all songs selected

5 To apply desired setting, press ENTER.

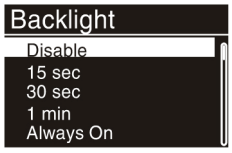


Backlight Options

Sets the current Backlight.

1 Press MENU ☰ .
2 Select Settings and press ENTER.
3 Select **Backlight** and press ENTER.
4 Select from the following options:
Disable turns off the backlight
Backlight On settings:
- 15 seconds
- 30 seconds
- 1 minute
- Always on

5 To apply desired setting, press ENTER.



Power Savings Options

Sets the time the player will stay idle before automatically turning off to conserve battery life.

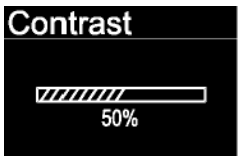
1 Press MENU ☰.
2 Select Settings and press ENTER.
3 Select Power Savings and press ENTER.
4 Select from the following options;

- Disable turns off the power saving feature
- Power Savings settings:
  - 1 minute
  - 3 minutes
  - 5 minutes
  - 15 minutes

5 To apply the desired settings, press ENTER.

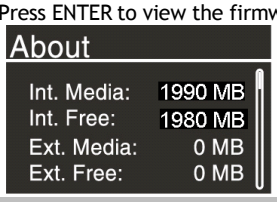
Contrast Options

Sets the contrast setting for the LCD screen.
1 Press MENU ☰ .
2 Select Settings and press ENTER.
3 Select Contrast and press ENTER.
4 Adjust the contrast setting by pressing ⏮ and ⏭
5 To apply the desired contrast setting, press ENTER.



Player / Storage Information

1 Press MENU ☰ .
2 Select About and press ENTER.
3 The storage information on your player will be displayed.
4 Press ENTER to view the firmware version of your player.



5 - Need Help?

Troubleshooting

Q My computer is unable to detect my player.
A If your computer is unable to detect the player, please check the following:

- Check the screen on your player to ensure the display reads “USB Connected”. If it doesn't, remove and reattach the cable to obtain a secure connection. If that fails, try connecting the player to another USB port.
- Confirm that your computer is using Windows 98 SE or above, or Mac OS X.
  The player will not work with Windows 98 or Mac OS 9.X or below. To check the operating system in Windows, right click on the My Computer icon and select Properties. The Operating System will be listed in the new window that appears.
- Install a new battery into the player.

If these suggestions fail to resolve the issue, please contact our Customer Care center for further assistance.

Q What type of files can I play?
A Mp3 and WMA files. DRM protected WMA files, such as those purchased from many online music services, must be copied to the player via Windows Media Player or the music management software compatible with your online music store.

The player does not support AAC file playback.

Q Some files I have transferred to the player do not playback. The player simply skips the tracks.

A Please check the format of these files. If they are WMA DRM-protected files they will only play correctly if you transfer them to the player through Windows Media Player or through the music management software provided by the online music store where you purchased the files.

If these files are AAC files, they are not supported by the player and will not playback.

Q Some files skip, crackle, or have other audible defects during playback.

A If files are skipping, crackling, or have other defects the file may be damaged or a bad copy of the original source. Re-rip or re-download these tracks from the original source and transfer the new versions to your player.

Q My music is not being played back in the proper order.

A The player uses the following method to playback music:

If "All Songs" is selected, the player plays music back alphabetically by song title.

If music is played back by Album, the player uses the track numbers saved in the ID3 tags of the music files. Please see your music software documentation for additional information on how to change and save ID3 tag information.

Q What kind of batteries can I use?

A The player supports either standard alkaline or Nickel Metal-Hydride (NiMH) AAA batteries.

Q How do I check battery life?

A The battery indicator on the main LCD screen shows you approximately how much battery power you have remaining. The more the battery is filled in, the more charge remains.

Q The buttons on my player are not operating correctly.

A Check the Hold switch located on the side of the player. If it is in the "Lock" position, all keys on the player are locked to prevent accidental operation. Sliding the switch back to the unlocked position will restore normal functionality.

Q How many minutes of music will fit on my player?

A The length of playback and number of tracks the player can hold is determined by the size and format of the files. The higher the quality of music (the higher the bitrate set in the copy settings of the software used to rip the tracks), the fewer number of tracks you will be able to transfer to the player. The following table demonstrates a simple way to figure out expected playback time versus bitrate quality.

Bitrate	Space Required
64 Kbps	2 minutes of music per MB of player storage used
128 Kbps	1 minute of music per MB of player storage used
256 Kbps	1 minute of music per 2 MB of player storage used

Thus, a 1 GB player can store 1024 minutes of music ripped at 128 Kbps, 2048 minutes of music ripped at 64 Kbps, and 512 minutes of music ripped at 256 Kbps.

Q How do I change the Copy Settings and bitrate in Windows Media Player?

A To change the bitrate Windows Media Player rips your music files at:

In Windows Media Player 9, Click Tools > Options... > Copy Options and look under Copy Settings.

In Windows Media Player 10, Click Tools > Options > Rip Music and look under Rip Music. Here you can select the format and sample rate of your audio files. You may also choose whether or not you want to copy protect your music.

Q I have lost or misplaced my USB cable. Where can I purchase a replacement?

A Your player uses a standard USB 2.0 A to mini-B USB cable. These cables can be found at many computer or consumer electronics store. For assistance locating a replacement, please contact our Customer Care center.

Q My Batteries are not lasting as long as expected. How can I increase the battery life?

A The following items can effect battery life and performance:

- Backlight use: Using the backlight excessively can drain the battery sooner. Try adjusting this setting.
- Music Volume: Listening to music at a high volume, or with high powered headphones, can affect battery life.
- Power Savings settings: Ensure that your player is set to power off when idle. Please see Section 4 of the manual for more information on this.
- External Memory:Using a higher capacity SD card with your digital audio player increases power consumption due to the need to manage more audio files. Although your digital audio player is compatible with up to 1GB of external memory, you may see a decrease in battery performance when using these cards.

Technical Specifications

Model Name	Siren 1GB
MP3 Decoding Format	Constant or Variable bit rate (32~320kbps), Sampling frequencies 8-48Khz
WMA Decoding Format	Constant bitrate (48~192kbps), Sampling frequencies 8-48Khz
Internal Memory	1GB
External Flash Support	SD/MMC (16/32/64/128/256/512MB/1GB)
LCD	128x64 dot-matrix LCD display with LED backlight
Voice Record Format	WAV format, IMA-ADPCM at 4-bit, mono, 8K sampling rate
FM Record Format	ADPCM format
FM Frequency Range	87.5~108.0 MHz
Interface	USB 2.0 High Speed (mini-USB connector)
Maximum Output	12mW + 12mW @16ohm headphone
S/N Ratio	>90 dB
THD	0.01~0.5%
Frequency Range	20Hz~20KHz
Battery	1 x AAA Type Alkaline/NiMH Battery
Maximum Playing Time	16~18 Hours on one alkaline battery (MP3 files played at 128kbps)
Dimensions	2.9”(W) x 1.8”(H) x 0.8”(D) (73x45x21.7mm)

Contacting Customer Care

We hope that you find using your Siren digital audio player to be intuitive and trouble-free. However, if you should ever need any assistance with using your product, please feel free to contact our friendly customer care staff.

Online

For the Latest Updates and Product Information,
Please Visit Us Online:

www.sirenplayer.com

E-mail

For a Prompt Reply:
support@sirenplayer.com

Call

For Fast, Friendly Service:
(254) 224-0222.

Siren Limited Warranty

Who Provides the Limited Warranty?
During the warranty period, the Siren Warranty Administrator will honor service for 90 days parts and labor from the original date of consumer purchase. See below for Commercial, Industrial or Educational use coverage.

Who is Protected?
This warranty protects the original consumer owner of this Siren product.

What is Covered and How Long?
This warranty covers internal operating parts and service/labor to repair or replace covered parts in this Siren product for 90 days parts and labor, from the date of purchase, defined as follows: (1) Original Consumer Retail Purchase; (2) First Rental Purchase Agreement; or (3) First Lease Purchase Agreement (the "Warranty Period"). Labor and replacement parts supplied during the Warranty Period are covered only for the remaining portion of the original Warranty Period. The Siren Warranty Administrator shall have no liability for service under this warranty if non-OEM (Original Equipment Manufacturer) replacement parts are used in the repair of your Siren product.

What the Owner Must Do If Service is Required?
Please contact our customer service department at **254-224-0222** to repair or replace your product, at Siren's option, if it proves to be defective in material or workmanship under normal use, during the warranty period listed above, effective from the date of original consumer purchase of the product. Repaired or replacement units are warranted for the remaining period of the original warranty. Please retain dated sales receipt. Within the warranty period, the customer pays for inbound shipping charges and Siren pays return shipping charges.

Other Warranty Coverage
Commercial, Industrial or Educational use has the same warranty coverage as stated in this warranty.

What are the Exceptions?
This warranty does **not** cover: (1) Normal maintenance service, such as cleaning. (2) Damage from misuse, abuse neglect or accident, natural disasters or Acts of God. (3) Cabinetry, decorative parts, A/C adapters, knobs or buttons. (4) The foreign country use of this product. (5) Siren product which has been electronically or mechanically modified in any way or incorporated into other products. (6) Installation and setup service adjustments. (7) Owner instruction. Your Owner's Guide provides information regarding operating instructions and user controls. For additional information, contact your authorized Siren dealer.

Siren is not responsible for any shipping, handling or insurance charges.

This Exclusive Limited Warranty excludes all incidental and consequential damages. Some states do not allow the exclusion of incidental and consequential damages, so the above exclusion may not apply to you.

ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY PERIOD. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

This Exclusive Limited Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Siren WARRANTY ADMINISTRATOR
Siren, Inc.
254-224-0222

Important Safety Instructions

- Read and keep these instructions. Follow all instructions. Heed all warnings.
- To reduce the risk of fire or electric shock, do not use or operate this apparatus in or near water or wet locations. Do not spill liquid on this apparatus.
- Apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.
- Risk of electric shock—Do not disassemble or modify this apparatus. No user serviceable parts are inside. Refer all servicing to qualified service personnel.
- Servicing is required when the apparatus has been damaged in any way, such as when liquid has been spilled or objects have fallen onto the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped. Do not use in places exposed to strong magnetic or electrostatic fields (close to TV or speakers). Do not use in places where the humidity is excessively low.
- Risk of explosion, damage or battery leakage is possible if the battery is replaced incorrectly or by an incorrect type. Never attempt to charge a non-rechargeable alkaline battery. Dispose of used batteries according to instructions or local laws.
- Use of headphones while operating a vehicle is not recommended and is unlawful in some states and areas. Stop operating this apparatus if you find it disruptive or distracting while operating any type of equipment.
- Listening to music at full power over extended periods of time can be damaging to the hearing of the user.
- Do not clean the apparatus with solvents, chemicals or abrasive cleaners. If necessary, use a soft cloth to clean the apparatus.
- Only use attachments/accessories specified by the manufacturer.

Product Care

- Exposure to extreme hot or cold temperatures may cause damage to the player or cause it to malfunction. Do not expose the player to direct sunlight continuously or leave it in a vehicle with the doors and windows closed. The case may become deformed or discolored or the player may malfunction. Do not use the player near an open flame.
- If moving from a cold environment to a warm environment, let the player's temperature stabilizes before operation.
- Keep dirt, sand, dust, and moisture from entering the player. Do not use in areas of excessive dust. Do not use in places where the humidity is excessively high.
- Do not drop or subject the player to shock.
- If interference occurs close to radios or televisions, move the player away from them.

FCC Compliance

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1 This device may not cause harmful interference, and
2 This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Content providers are using the digital rights management technology for Windows Media contained in this device (“WM-DRM”) to protect the integrity of their content (“Secure Content”) so that their intellectual property, including copyright, in such content is not misappropriated. This device uses WM-DRM software to play Secure Content (“WM-DRM Software”). If the security of the WM-DRM Software in this device has been compromised, owners of Secure Content (“Secure Content Owners”) may request that Microsoft revoke the WM-DRM Software's right to acquire new licenses to copy, display and/or play Secure Content. Revocation does not alter the WM-DRM Software's ability to play unprotected content. A list of revoked WM-DRM Software is sent to your device whenever you download a license fro Secure Content from the Internet or from a PC. Microsoft may, in conjunction with such license, also download revocation lists to your device on behalf of Secure Content Owners.

© 2006 Siren, Inc. All rights reserved.